

PROJECT DESCRIPTION

THIS PROJECT INVOLVES MODIFYING THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 65 AND COL. HENRY K. DOUGLAS DRIVE IN HAGERSTOWN, WASHINGTON COUNTY. THE MODIFICATION INCLUDES THE INSTALLATION OF A NEW BREAKAWAY PEDESTAL POLE WITH PUSHBUTTON AND SIGN IN THE NORTHEAST QUADRANT NEXT TOTHE NEWLY INSTALLED ADA RAMP.

INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA FOUR-PHASE, FULLY ACTUATED MODE WITH THE MD 65 (SHARPSBURG PIKE) APPROACHES RUNNING CONCURRENTLY. AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE IS IN EFFECT FOR THE NORTHBOUND APPROACH OF MD 65. A PEDESTRIAN PHASE WITH PUSHBUTTON ACTUATION OPERATS ACROSS THE EXIT NORTH LEG OF MD 65. THE COL. HENRY K. DOUGLAS DRIVE APPROACH RUNS ALONE AND THE PEDESTRIAN PHASE ACROSS THIS APPROACH OPERATES ON RECALL. A FULLTRAFFIC ACTUATED, EIGHT-PHASE CONTROLLER WITH THREE (3) FOUR-CHANNEL, RACK MOUNT LOOP DETECTOR AMPLIFIERS, WITH ASSOCIATED HARNESSSES HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET OPERATES AT THIS INTERSECTION.

SPECIAL NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMITAING ALL SIGNAL CABLES TOT HE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE. ALL WIRING IN THE CONTROLLER CABINET WILL BE PERFORMED BY THE S.H.A. SIGNAL FORCES. THE CONTACT PERSON IS MR. EDWARD RODENHIZER AT (410) 787-7650

EQUIPMENT LIST

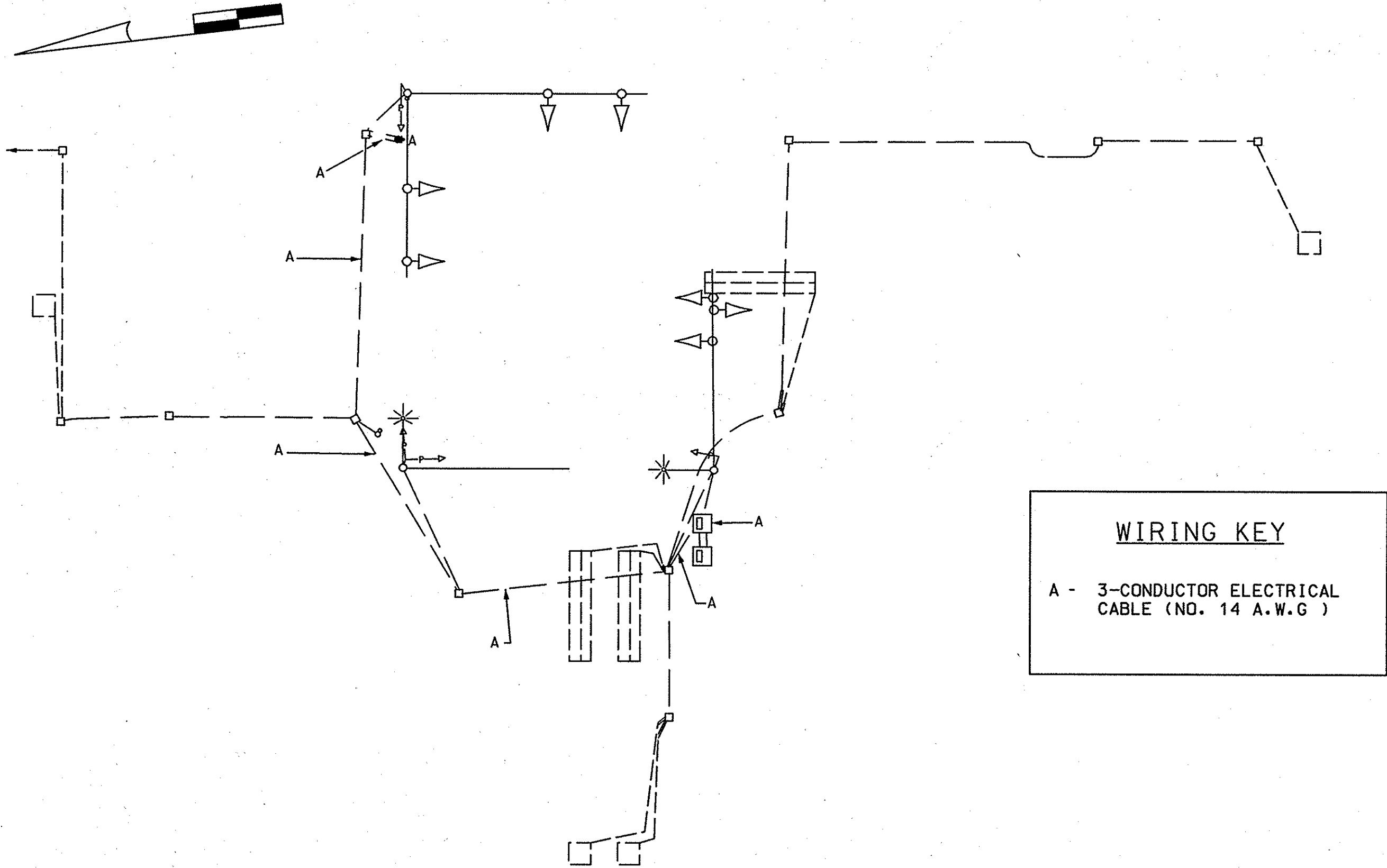
A. EQUIPMENT TO BE FURNISHED /INSTALLED BY THE S.H.A.

CAT. CODE	DESCRIPTION	QUANTITY	UNIT
973023	SHEET ALUMINUM SIGN - ONE (1) R10-4(1) SIGN "PUSH BUTTON TO CROSS MD 65"	0.75	SF

B. EQUIPMENT TO BE FURNISHED /INSTALLED BY THE CONTRACTOR

CAT. CODE	DESCRIPTION	QUANTITY	UNIT
873001	REMOVE AND SALVAGE EXISTING EQUIPMENT	1	EA
861106	FURNISH AND INSTALL ELECTRICAL CABLE (NO. 14 AWG)	230	LF
865201	INSTALL PUSHBUTTON AND SIGN	1	EA
801004	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION	1.25	CY
868003	FURNISH AND INSTALL 10 FT BREAKAWAY PEDESTAL POLE	1	EA
870163	FURNISHA ND INSTALL 3" RIGID PVC CONDUIT TRENCHED	15	LF

WIRING DIAGRAM



WIRING KEY

A - 3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G )

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 65 (SHARPSBURG PIKE) & COL. HENRY K. DOUGLAS DRIVE

APPROVALS		REVISIONS	GENERAL INFORMATION SHEET	
<div>ORIGINAL</div> <div>ON</div> <div>FILE</div>			SCALE <u>NA</u> DATE <u>7-14-99</u> CONTRACT NO. <u>W 983-501-672</u>	
		INSTALL PEDESTAL POLE WITH PUSHBUTTON/SIGN IN THE NORTHEAST QUADRANT CLOSER TO THE NEW ADA RAMP. CONTRACT NO:W11955177 OCTOBER 2006	DESIGNED BY _____ COUNTY <u>WASHINGTON</u>	
		REPLACE LOOPS, PED HEAD DUE TO WIDENING OF SIDE STREET SHA NO. BW 996M82 7-15-99	DRAWN BY <u>ROB CICCHINI</u> LOGMILE <u>21006510.25</u>	
			CHECKED BY _____ TMS NO. _____	
			FAP NO. <u>NH-G-70-1(201)29N</u> TOD NO. _____	
			TS NO. <u>3377 B</u> DRAWING _____ OF _____ SHEET NO. <u>2</u> OF <u>2</u>	

PLOTTED: Tuesday, October 24, 2006 at 3:03:11 PM  
FILE: MD 65 & ColHKDouglas Dr GI.dgn

BY: MKabengele